

# Work Order ID 54594

December 14, 2009 1:54:07 PM



Page 1

Item ID: D3937-3

Accept



Setup Start



Revision ID:

Item Name: Backing Strip

Stop



Start Date: 12/14/09 Start Qty: 31.00



Cust Item ID:

Required Date: 12/15/09 Req'd Qty: 31.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D3937

B

105

0.00



Small Fab

Memo

0.00

PULL FROM STOCK

31 X D3937-3 B

150772 ①  
50557 ③③

200 09/12/15

CUT TO 19.5" PER DRGW D3937 REV.B / ECN09-720

=> M-1 04/12/15

31X

110

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

=> 504/12/16

water 0  
K36

# Work Order ID 54594

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Page 2

Item ID: D3937-3

Accept



Setup Start



Revision ID:

Stop



Item Name: Backing Strip

Start Date: 12/14/09 Start Qty: 31.00



Cust Item ID:

Required Date: 12/15/09 Req'd Qty: 31.00



Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

115

0.00



Packaging

Memo

0.00

Packaging

RE-IDENTIFY USING NEW B/N

Sylvia 12/14/09 (31)

120

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

09/12/17  
PL 09-12-14  
(31)

# Picklist Print

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Page 1

Work Order ID: 54594

Parent Item: D3937-3

Parent Item Name: Backing Strip

Comments:

Start Date: 12/14/09

Required Date: 12/15/09

Start Qty: 31.00

Required Qty: 31.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3937-3		Manufactured	No				Each	31.0000	31.0000			



Backing Strip



## Warehouse

## Loc Qty

## Loc Code

### Location

Main Warehouse

ST

31

50557

31

B 50772

30  
1      80 09/12/15      (31)

**ENGINEERING CHANGE NOTICE**  
**DART AEROSPACE LTD**

Date: 09.12.02	Job No.: ENG0106DEC	ADR Yes/No: Y	ADR Date: 09.11.30	ECN #: 09- 720
Product No.: D412-791		Created By: AJS	Approved By: <i>[Signature]</i>	
Product Name: SAFETY ENHANCEMENT KIT		Checked By: <i>[Signature]</i>	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager	Y	LL	
Production Engineering Coord	Y	EC/DD	
Production Document Control	Y	BG	
Customer Technical Support	N		
PURCHASING	Y	CL	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord	N		
QC Coordinator	N		
Marketing	N		
Customer Order Processing	N		

Reason for Change: REDUCE WASTE

Documents Affected:  
D3937 Rev B

PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N		SUPERCEDE	
5	Update Product Compatability Matrix	N			
6	Create Eurocopter Form (FEE)	N			
7	Notify TC / FAA of Change	N			

#	Document Control Actions	Reqd	Resp	Notes	Complete
8	Move Electronic Files	Y	KJ		09.12.02 <i>[Signature]</i>
9	Update Blue/Pink/DSI Folder and Electronic Files	N			
10	Update Controlled PDF Files	Y	KJ		09.12.02 <i>[Signature]</i>
11	Update Master Document List (MDL)	Y	AJS	Rev. B	09.12.02 <i>[Signature]</i>
12	Update Document Record (DR)	Y	KJ	Rev. B	09.12.02 <i>[Signature]</i>
13	Update Product Development Summary	N			
14	Update QSI 021 and/or STC Approval List	N			
15	Update Parts / STC Database	N			
16	Update / Verify ARC Database	N			
17	Create / Update Change Record Form	N			
18	Create / Update PPP's	N			
19	Update Document Control Database / Laminated Dwgs	N	<i>[Signature]</i>		
20	Update Grey Project Binder	Y	KJ		09.12.02 <i>[Signature]</i>
21	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		09.12.02 <i>[Signature]</i>
22					
23					

Description / Action:  
RELEASE D3937 REV B

*D3937.3 31 stu* *50594*

ECN Verified & Complete: \_\_\_\_\_ Date: \_\_\_\_\_

# **ENGINEERING CHANGE NOTICE** **DART AEROSPACE LTD**

Date: 09.12.02	Job No.: ENG0106DEC	ADR Yes/No: Y	ADR Date: 09.11.30	ECN #: 09- 720
Product No.: D412-791		Created By: AJS	Approved By: <i>[Signature]</i>	
Product Name: SAFETY ENHANCEMENT KIT		Checked By: <i>[Signature]</i>	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager	Y	LL	
Production Engineering Coord	Y	EC/DD	
Production Document Control	Y	BG	
Customer Technical Support	N		
PURCHASING	Y	CL	<i>CL 09/12/08</i>

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord	N		
QC Coordinator	N		
Marketing	N		
Customer Order Processing	N		

Reason for Change: REDUCE WASTE

Documents Affected:  
D3937 Rev B

PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N		SUPERCEDE	
5	Update Product Compatability Matrix	N			
6	Create Eurocopter Form (FEE)	N			
7	Notify TC / FAA of Change	N			

#	Document Control Actions	Reqd	Resp	Notes	Complete
8	Move Electronic Files	Y	KJ		09.12.02 <i>[Signature]</i>
9	Update Blue/Pink/DSI Folder and Electronic Files	N			
10	Update Controlled PDF Files	Y	KJ		09.12.02 <i>[Signature]</i>
11	Update Master Document List (MDL)	Y	AJS	Rev. B	09.12.02 <i>[Signature]</i>
12	Update Document Record (DR)	Y	KJ	Rev. B	09.12.02 <i>[Signature]</i>
13	Update Product Development Summary	N			
14	Update QSI 021 and/or STC Approval List	N			
15	Update Parts / STC Database	N			
16	Update / Verify ARC Database	N			
17	Create / Update Change Record Form	N			
18	Create / Update PPP's	N			
19	Update Document Control Database / Laminated Dwgs	N	<i>[Signature]</i>		
20	Update Grey Project Binder	Y	KJ		09.12.02 <i>[Signature]</i>
21	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		09.12.02 <i>[Signature]</i>
22					
23					

Description / Action:  
RELEASE D3937 REV B *R10: 10871*

ECN Verified & Complete: \_\_\_\_\_ Date: \_\_\_\_\_

ITEM	QTY -041	P/N	DESCRIPTION
1	X	D3937-041	LUMINESCENT STRIP ASSEMBLY
2	1	D3937-1	LUMINESCENT STRIP
3	1	D3937-3	SHEET METAL BACKING STRIP

PEEL SELF-ADHESIVE BACKING FROM  
D3937-1 LUMINESCENT STRIP  
ALIGN PART EDGES AND STICK TO  
D3937-3 SHEET METAL BACKING STRIP

# **D3937-041 LUMINESCENT STRIP ASSEMBLY**

**RELEASED**  
2009-12-02

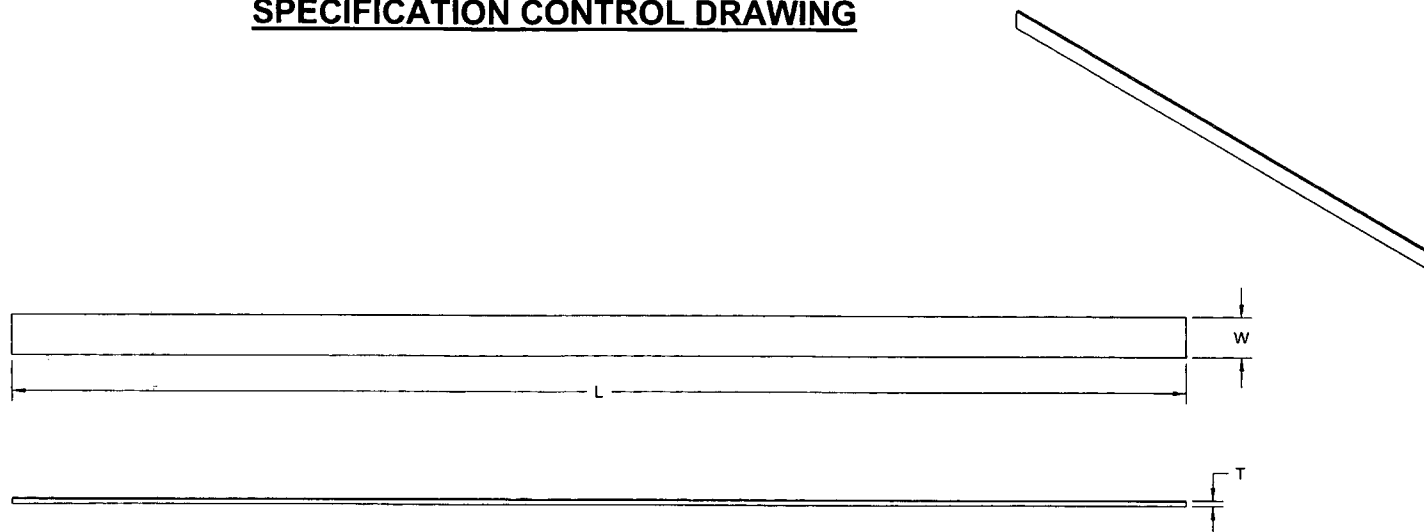
54594

## **NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3937-041" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.06 lbs

B	SHEET 2 SPEC CHART LENGTH WAS 21.0. SHEET 3 ZONE C5 19.5 DIM WAS 21.0 REASON: PREVENT EXCESSIVE WASTE.		AJS	09.11.27
A	NEW ISSUE		BY	09.06.02
REV.	DESCRIPTION		BY	DATE
DESIGN	AJS		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		DRAWING NO. D3937	
CHECKED	AJS		REV. B	
MFG. APPR.	AJS		SHEET 1 OF 3	
APPROVED	AJS		TITLE LUMINESCENT STRIP	
DE APPR.	AJS		SCALE NTS	
DATE	09.11.27		COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR THE DISSEMINATION OF ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

# SPECIFICATION CONTROL DRAWING



## D3937-1 LUMINESCENT STRIP

DART PART NUMBER	LENGTH "L"	WIDTH "W"	THICKNESS "T"	SUPPLIER	SUPPLIER PART NUMBER	WEIGHT
D3937-1	19.5	0.67	0.09	LUFTHANSA TECHNIK	PL88-990LH00	0.04 LBS

△B

RELEASED  
2009-12-02

54594

### NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: SEE TABLE

DESIGN	AS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AS		
CHECKED	AS	DRAWING NO. D3937	REV. B
MFG. APPR.	AS	SHEET 2 OF 3	
APPROVED	AS	TITLE LUMINESCENT STRIP	SCALE NTS
DE APPR.	AS	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	
DATE	09.11.27		

8 7 6 5 4 3 2 1

D

D

C

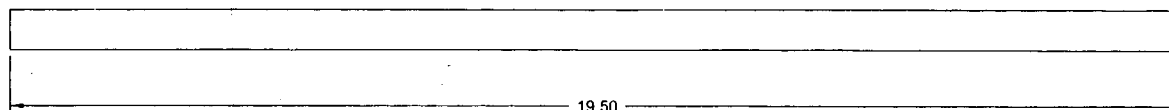
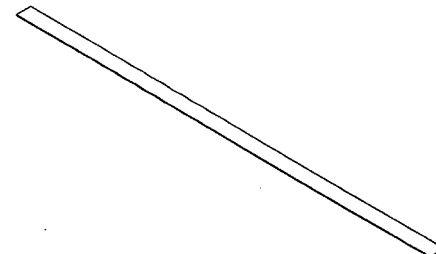
C

B

B

A

A



19.50



0.672

0.032  
REF

**D3937-3 SHEET METAL BACKING STRIP**

**RELEASED**  
2009-12-02

54594

**NOTES:**

- 1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET 0.032 THICK  
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027  
REF DART SPEC M6061T6S.032
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.02 lbs

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3937	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		LUMINESCENT STRIP	NTS
DATE	09.11.27	<small>COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	

8 7 6 5 4 3 2 1